

1/5

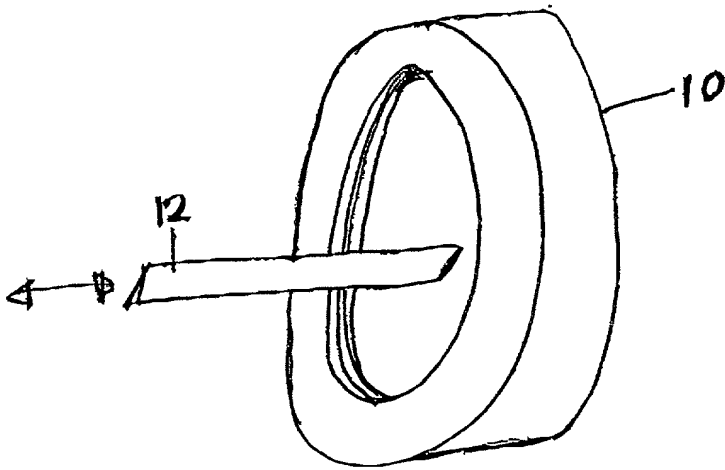


Figure 1

2/5

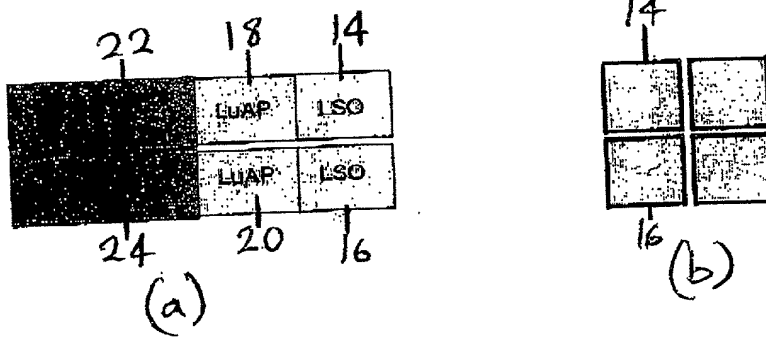


Figure 2

3/5

Material	Density ρ , g/cm ³	Emission maximum λ , nm	Light Yield, photons/ MeV	Decay time τ , ns	Photoelectric absorption coefficient @ 511 keV 1/cm
Lu ₂ SiO ₅ : Ce (LSO)	7.4	420	27,000	40	0.30
LuAlO ₃ : Ce (LuAP)	8.34	380	9,600	11 (60%)	0.31
Gd ₂ SiO ₅ : Ce (GSO)	6.7	440	8,000/1,000	60 for fast component 600 for slow component	0.18

Figure 3

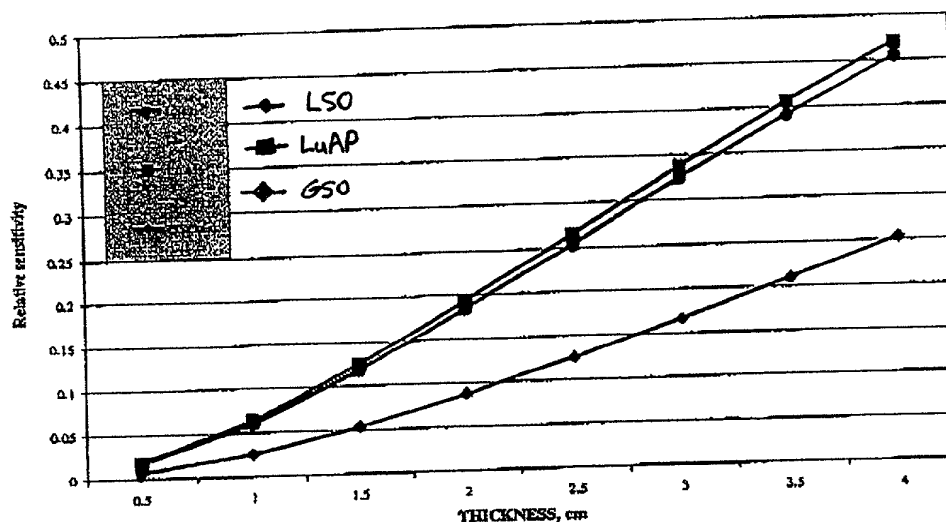


Figure 4

4/5

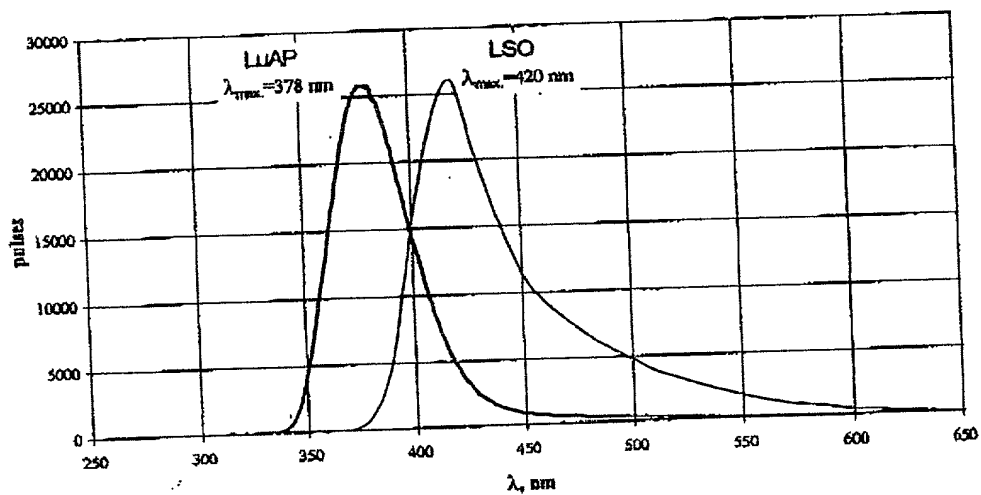


Figure 5

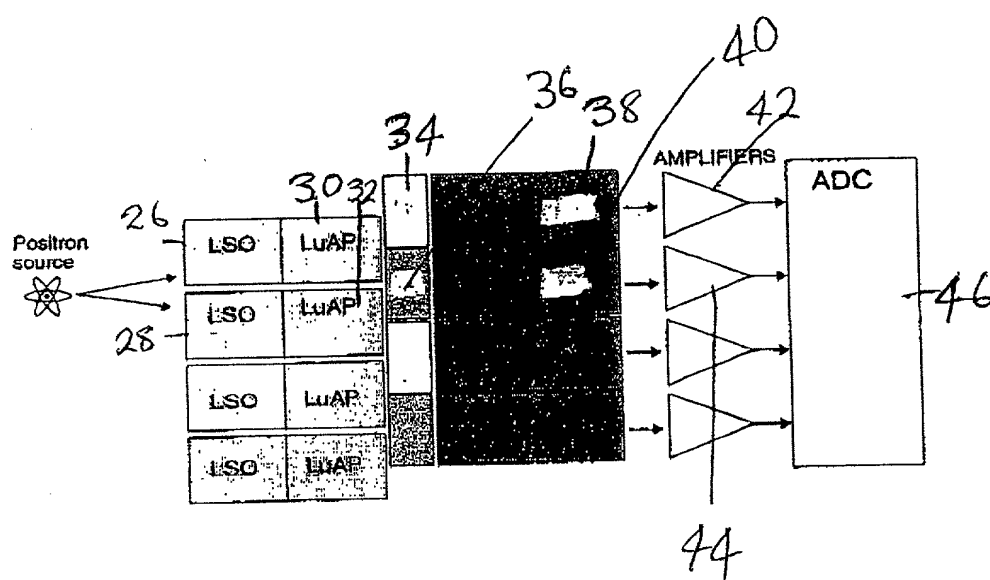


Figure 6